

#2

OIFE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/818,943

DATE: 04/11/2001

TIME: 13:49:09

Input Set : A:\PTO.txt

Output Set: N:\CRF3\04112001\I818943.raw

ENTERED

3 <110> APPLICANT: ERIKSSON, ULF
 4 LI, Xuri
 5 PONTEN, Annica
 6 AASE, Karin
 7 LI, Hong
 9 <120> TITLE OF INVENTION: NON-HUMAN TRANSGENIC ANIMALS EXPRESSING PLATELET-DERIVED GROWTH FACTOR
 C
 10 (PDGF-C) AND USES THEREOF
 12 <130> FILE REFERENCE: 1064/48487
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/818,943
 C--> 14 <141> CURRENT FILING DATE: 2001-03-28
 14 <150> PRIOR APPLICATION NUMBER: US 60/192,507
 15 <151> PRIOR FILING DATE: 2000-03-28
 17 <160> NUMBER OF SEQ ID NOS: 7
 19 <170> SOFTWARE: PatentIn version 3.0
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 345
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Homo sapiens
 26 <400> SEQUENCE: 1
 28 Met Ser Leu Phe Gly Leu Leu Leu Val Thr Ser Ala Leu Ala Gly Gln
 29 1 5 10 15
 31 Arg Arg Gly Thr Gln Ala Glu Ser Asn Leu Ser Ser Lys Phe Gln Phe
 32 20 25 30
 34 Ser Ser Asn Lys Glu Gln Asn Gly Val Gln Asp Pro Gln His Glu Arg
 35 35 40 45
 37 Ile Ile Thr Val Ser Thr Asn Gly Ser Ile His Ser Pro Arg Phe Pro
 38 50 55 60
 40 His Thr Tyr Pro Arg Asn Thr Val Leu Val Trp Arg Leu Val Ala Val
 41 65 70 75 80
 43 Glu Glu Asn Val Trp Ile Gln Leu Thr Phe Asp Glu Arg Phe Gly Leu
 44 85 90 95
 46 Glu Asp Pro Glu Asp Asp Ile Cys Lys Tyr Asp Phe Val Glu Val Glu
 47 100 105 110
 49 Glu Pro Ser Asp Gly Thr Ile Leu Gly Arg Trp Cys Gly Ser Gly Thr
 50 115 120 125
 52 Val Pro Gly Lys Gln Ile Ser Lys Gly Asn Gln Ile Arg Ile Arg Phe
 53 130 135 140
 55 Val Ser Asp Glu Tyr Phe Pro Ser Glu Pro Gly Phe Cys Ile His Tyr
 56 145 150 155 160
 58 Asn Ile Val Met Pro Gln Phe Thr Glu Ala Val Ser Pro Ser Val Leu
 59 165 170 175
 61 Pro Pro Ser Ala Leu Pro Leu Asp Leu Leu Asn Asn Ala Ile Thr Ala
 62 180 185 190
 64 Phe Ser Thr Leu Glu Asp Leu Ile Arg Tyr Leu Glu Pro Glu Arg Trp
 65 195 200 205
 67 Gln Leu Asp Leu Glu Asp Leu Tyr Arg Pro Thr Trp Gln Leu Leu Gly
 68 210 215 220

RAW SEQUENCE LISTING

DATE: 04/11/2001

PATENT APPLICATION: US/09/818,943

TIME: 13:49:09

Input Set : A:\PTO.txt

Output Set: N:\CRF3\04112001\1818943.raw

```

70 Lys Ala Phe Val Phe Gly Arg Lys Ser Arg Val Val Asp Leu Asn Leu
71 225                230                235                240
73 Leu Thr Glu Glu Val Arg Leu Tyr Ser Cys Thr Pro Arg Asn Phe Ser
74                245                250                255
76 Val Ser Ile Arg Glu Glu Leu Lys Arg Thr Asp Thr Ile Phe Trp Pro
77                260                265                270
79 Gly Cys Leu Leu Val Lys Arg Cys Gly Gly Asn Cys Ala Cys Cys Leu
80                275                280                285
82 His Asn Cys Asn Glu Cys Gln Cys Val Pro Ser Lys Val Thr Lys Lys
83                290                295                300
85 Tyr His Glu Val Leu Gln Leu Arg Pro Lys Thr Gly Val Arg Gly Leu
86 305                310                315                320
88 His Lys Ser Leu Thr Asp Val Ala Leu Glu His His Glu Glu Cys Asp
89                325                330                335
91 Cys Val Cys Arg Gly Ser Thr Gly Gly
92                340                345
94 <210> SEQ ID NO: 2
95 <211> LENGTH: 345
96 <212> TYPE: PRT
97 <213> ORGANISM: Murinae gen. sp.
99 <400> SEQUENCE: 2
101 Met Leu Leu Leu Gly Leu Leu Leu Leu Thr Ser Ala Leu Ala Gly Gln
102 1                5                10                15
104 Arg Thr Gly Thr Arg Ala Glu Ser Asn Leu Ser Ser Lys Leu Gln Leu
105                20                25                30
107 Ser Ser Asp Lys Glu Gln Asn Gly Val Gln Asp Pro Arg His Glu Arg
108                35                40                45
110 Val Val Thr Ile Ser Gly Asn Gly Ser Ile His Ser Pro Lys Phe Pro
111                50                55                60
113 His Thr Tyr Pro Arg Asn Met Val Leu Val Trp Arg Leu Val Ala Val
114 65                70                75                80
116 Asp Glu Asn Val Arg Ile Gln Leu Thr Phe Asp Glu Arg Phe Gly Leu
117                85                90                95
119 Glu Asp Pro Glu Asp Asp Ile Cys Lys Tyr Asp Phe Val Glu Val Glu
120                100               105               110
122 Glu Pro Ser Asp Gly Ser Val Leu Gly Arg Trp Cys Gly Ser Gly Thr
123                115               120               125
125 Val Pro Gly Lys Gln Thr Ser Lys Gly Asn His Ile Arg Ile Arg Phe
126                130               135               140
128 Val Ser Asp Glu Tyr Phe Pro Ser Glu Pro Gly Phe Cys Ile His Tyr
129 145               150               155               160
131 Ser Ile Ile Met Pro Gln Val Thr Glu Thr Thr Ser Pro Ser Val Leu
132                165               170               175
134 Pro Pro Ser Ser Leu Ser Leu Asp Leu Leu Asn Asn Ala Val Thr Ala
135                180               185               190
137 Phe Ser Thr Leu Glu Glu Leu Ile Arg Tyr Leu Glu Pro Asp Arg Trp
138                195               200               205
140 Gln Val Asp Leu Asp Ser Leu Tyr Lys Pro Thr Trp Gln Leu Leu Gly
141                210               215               220

```

RAW SEQUENCE LISTING

DATE: 04/11/2001

PATENT APPLICATION: US/09/818,943

TIME: 13:49:09

Input Set : A:\PTO.txt

Output Set: N:\CRF3\04112001\I818943.raw

```

143 Lys Ala Phe Leu Tyr Gly Lys Lys Ser Lys Val Val Asn Leu Asn Leu
144 225          230          235          240
146 Leu Lys Glu Glu Val Lys Leu Tyr Ser Cys Thr Pro Arg Asn Phe Ser
147          245          250          255
149 Val Ser Ile Arg Glu Glu Leu Lys Arg Thr Asp Thr Ile Phe Trp Pro
150          260          265          270
152 Gly Cys Leu Leu Val Lys Arg Cys Gly Gly Asn Cys Ala Cys Cys Leu
153          275          280          285
155 His Asn Cys Asn Glu Cys Gln Cys Val Pro Arg Lys Val Thr Lys Lys
156          290          295          300
158 Tyr His Glu Val Leu Gln Leu Arg Pro Lys Thr Gly Val Lys Gly Leu
159 305          310          315          320
161 His Lys Ser Leu Thr Asp Val Ala Leu Glu His His Glu Glu Cys Asp
162          325          330          335
164 Cys Val Cys Arg Gly Asn Ala Gly Gly
165          340          345
167 <210> SEQ ID NO: 3
168 <211> LENGTH: 28
169 <212> TYPE: DNA
170 <213> ORGANISM: Murinae gen. sp.
172 <400> SEQUENCE: 3
173 cggaattctc agccaaatgc tcttcctc          28
176 <210> SEQ ID NO: 4
177 <211> LENGTH: 59
178 <212> TYPE: DNA
179 <213> ORGANISM: Murinae gen. sp.
181 <220> FEATURE:
182 <221> NAME/KEY: unsure
183 <222> LOCATION: (1)..(59)
184 <223> OTHER INFORMATION: Also contains sequence encoding the human c-myc epitope
187 <400> SEQUENCE: 4
188 cggatttctt acaagtcttc ttacagaaata agcttttggt cccctcctgc gtttcctct          59
191 <210> SEQ ID NO: 5
192 <211> LENGTH: 18
193 <212> TYPE: DNA
194 <213> ORGANISM: Murinae gen. sp.
196 <400> SEQUENCE: 5
197 gtgtccatac gggaagag          18
200 <210> SEQ ID NO: 6
201 <211> LENGTH: 19
202 <212> TYPE: DNA
203 <213> ORGANISM: Murinae gen. sp.
205 <400> SEQUENCE: 6
206 gtcttcttca gaaataagc          19
209 <210> SEQ ID NO: 7
210 <211> LENGTH: 22
211 <212> TYPE: PRT
212 <213> ORGANISM: Murinae gen. sp.
214 <220> FEATURE:

```

RAW SEQUENCE LISTING DATE: 04/11/2001
PATENT APPLICATION: US/09/818,943 TIME: 13:49:09

Input Set : A:\PTO.txt
Output Set: N:\CRF3\04112001\I818943.raw

215 <221> NAME/KEY: unsure
216 <222> LOCATION: (1)..(22)
217 <223> OTHER INFORMATION: Residues 230-250 of mouse PDGF-C (SEQ ID NO:2)
220 <400> SEQUENCE: 7
222 Cys Val Lys Lys Ser Arg Val Val Asn Leu Asn Leu Leu Lys Glu Glu
223 1 5 10 15
225 Val Lys Leu Tyr Ser Cys
226 20

VERIFICATION SUMMARY DATE: 04/11/2001
PATENT APPLICATION: US/09/818,943 TIME: 13:49:10

Input Set : A:\PTO.txt
Output Set: N:\CRF3\04112001\I818943.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date